

**Notice of Allowability**

Application No.

10/750,955

Examiner

Nicholas Ponomarenko

Applicant(s)

MORENO, MAURICIO RODOLFO

Art Unit

2834

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/31/2005.
2. ☒ The allowed claim(s) is/are 1 and 2.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## DETAILED ACTION

### *Reasons for Allowance*

1. Claims 1 and 2 are allowed.
2. **Examiner's Statement of Reasons for Allowance:**

Applicant(s) invention relates to a power generation system, and more specifically, to a power generation system utilizing a chimney air-draft effect.

The system has a chimney attached to a mountain. Lower portion of the chimney has a solar heat collector. The heated air is up-drafted by the chimney. At the upper or the lower portion of the chimney positioned evaporative spray units, which capture the polluted particles from the air. At the lower portion of the chimney positioned a set of turbo-generators, which utilize artificially created wind for generating of an electrical power.

There are inventions in the field that provide similar functionality and/or have similar features, as prior art of record shows. Applicant(s) invention differs from the prior art of record by the unique configuration of its functional elements, which, in combination, provide solar heating of the air, power generation, and air cleaning, as disclosed and claimed,

Examiner's search failed to find a chimney power generating system with the combination of solar heating, power generation and air cleaning features, performing as claimed.

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3. Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

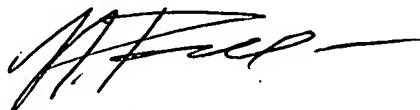
***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant(s) disclosure.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicholas Ponomarenko whose telephone number is (571) 272- 2033, Fax: (571) 273-2033, or to his SPE Darren Schuberg – (571) 272-2044.

6. Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center 2800 Customer Service  
Phone: (571) 272-2815

np  
December 7, 2005



**Nicholas Ponomarenko  
Primary Examiner  
Technology Center 2800**

OK to enter P.H. 12-7-05



AIR FILTERING CHIMNEY TO CLEAN POLLUTION FROM  
A CITY AND GENERATE ELECTRIC POWER

MAURICIO R. MORENO ROJAS

10/750,955

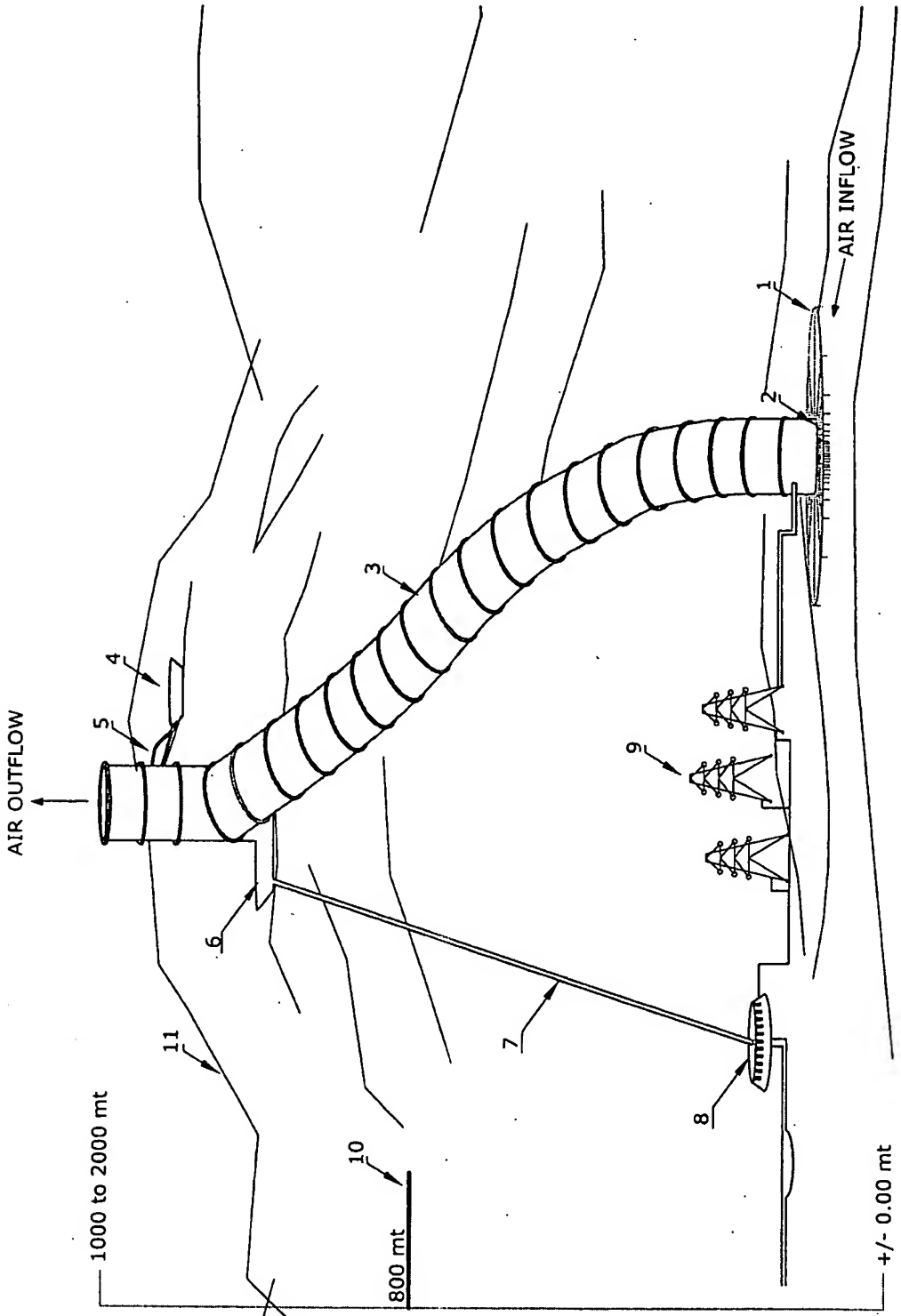


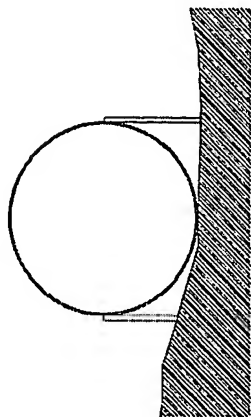
FIG. 1

Nº	DESCRIPTION
1	SOLAR HEAT COLLECTOR
2	TURBINE
3	CHIMNEY
4	WATER RESERVOIR
5	FINE MIST ELECTRICALLY CHARGED WATER
6	WATER RESERVOIR
7	WATER PIPE
8	ELECTRIC GENERATOR
9	TURBINE
10	ELECTRIC GRID
11	INVERSION LAYER OR THERMIC CEILING
11	MOUNTAIN AS SUPPORT

# AIR FILTERING CHIMNEY TO CLEAN POLLUTION FROM A CITY AND GENERATE ELECTRIC POWER

MAURICIO R. MORENO ROJAS

10/750,955



③ CHIMNEY

FIG. 2

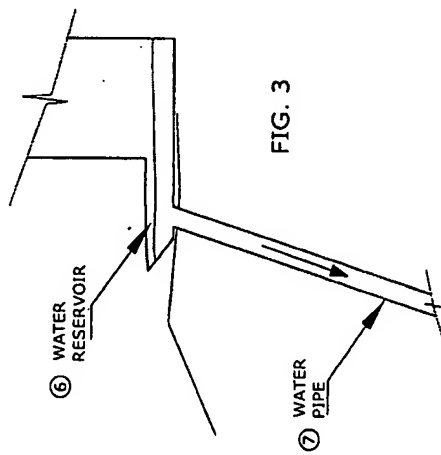


FIG. 3

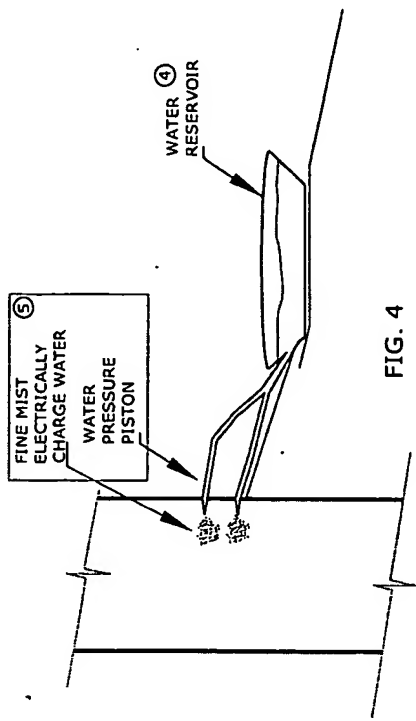
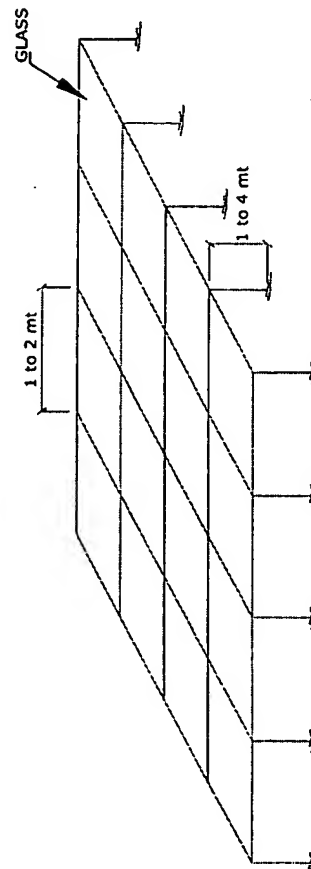


FIG. 4



① SOLAR HEAT COLLECTOR

FIG. 5

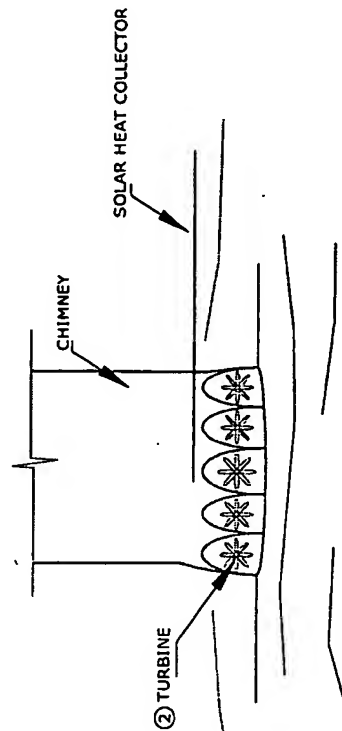


FIG. 6